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CIA/PIR-1/64
January 1964

[redacted]

CENTRAL INTELLIGENCE AGENCY
PHOTOGRAPHIC INTELLIGENCE REPORT

SOVIET-TYPE SAM INSTALLATIONS
WACS 50, 51, 75, 91, AND 92

25X

Published and Disseminated By

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PREFACE

This is the first in a series of reports, prepared in response to CIA requirement C-RR3-80,733, presenting locational and other pertinent information on all Soviet-type surface-to-air missile (SAM) installations whether in or out of the Sino-Soviet Bloc. Installations included are SAM launch sites (SA-1, SA-2, SA-3, and SA-0), antimissile-missile activities, SAM support facilities, SAM R & D and training facilities, and unidentified installations, possibly SAM-related. The information will be presented by World Aeronautical Chart (WAC), and within each WAC by SAM defense area, as determined from photography and collateral sources. When the defense function of an installation cannot be determined, this will be so indicated. Where no installations have been identified in a WAC area, that WAC will be omitted.

INTRODUCTION

This report presents information on all Soviet-type SAM installations located in the areas covered by WACs 50, 51, 75, 91, and 92 and identified on photography. The cutoff date for this information is 19 November 1963. Figure 1 shows all the WAC areas, except Cuba, which will be covered in this series; those in red are covered in this report. Diagrams of the configurations of the common types of SAM installations are presented in Figure 2. Information for each WAC is shown in a table (Tables 1-5), which gives detailed data and a map (Figures 3-7), which indicates the location and type of each SAM installation.

Explanations of the columnar headings used in the tables are as follows:

Item -- Given in numerical sequence for each WAC, with numbers assigned to installations arbitrarily, and keyed to the accompanying WAC.

Name, Site Designator, BE Number -- In accordance with the TDI. Absence of any of this information indicates that it was not available at the time of publication.

Coordinates -- Given in degrees, minutes, and seconds, and plotted from series 200 US Air Target Charts unless otherwise indicated in next column.

Country & Map Reference -- BE country codes used. Map reference is to the Air Target Chart sheet number (scale 1:200,000) unless otherwise indicated.

Type & Configuration -- Indicates the type of SAM installation and its configuration as illustrated in Figure 2.

Mission & Date First Appears -- Gives the number and date of the mission on which the installation was first sighted.

Mission & Date Installation Negated -- Refers to the latest [redacted] photography on which it has been established that construction of the installation had not been started. Absence of any notation indicates that this information could not be determined.

Remarks -- Covers items of special or unusual interest.

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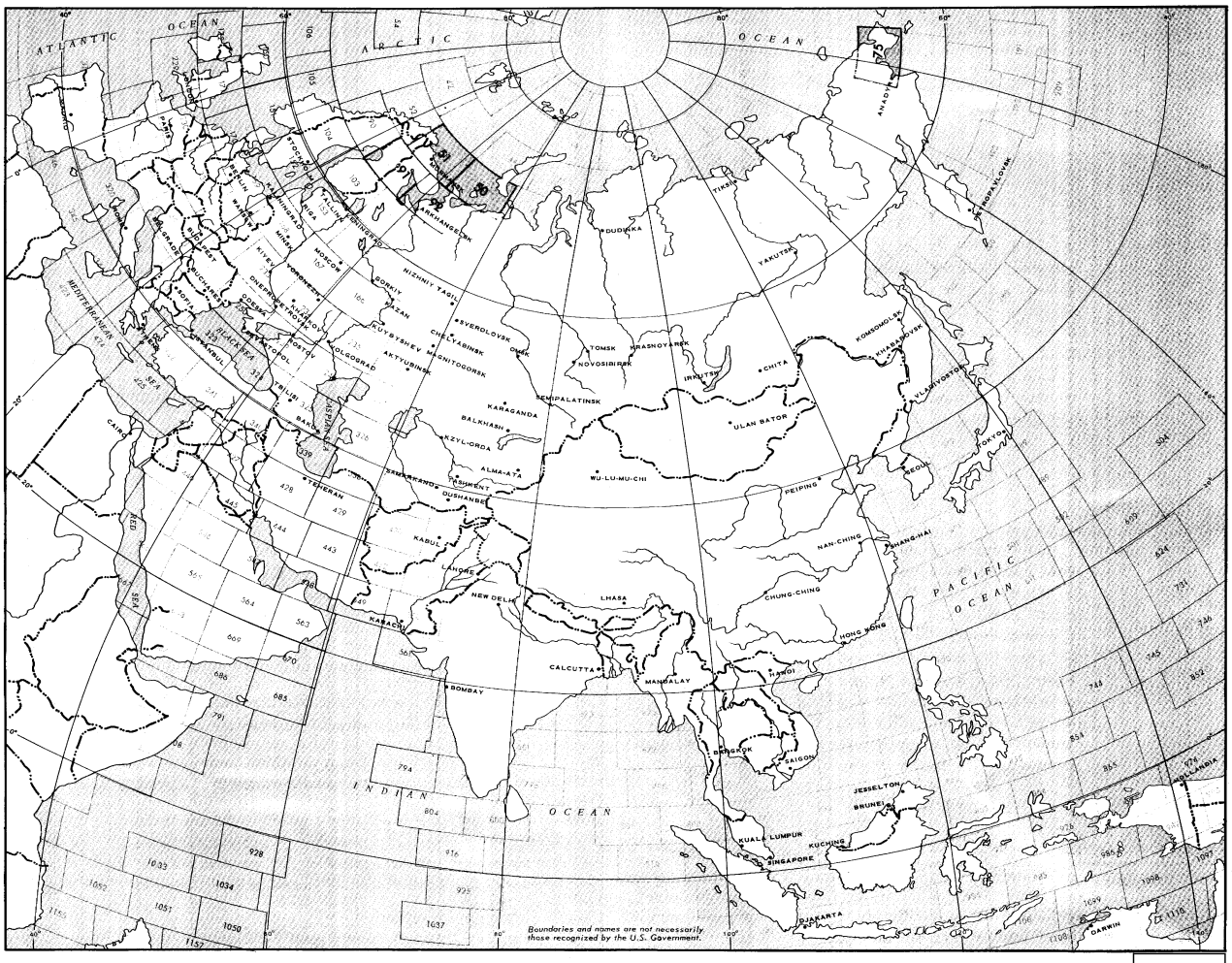

FIGURE 1. WACS COVERED IN THIS REPORT IN RED.

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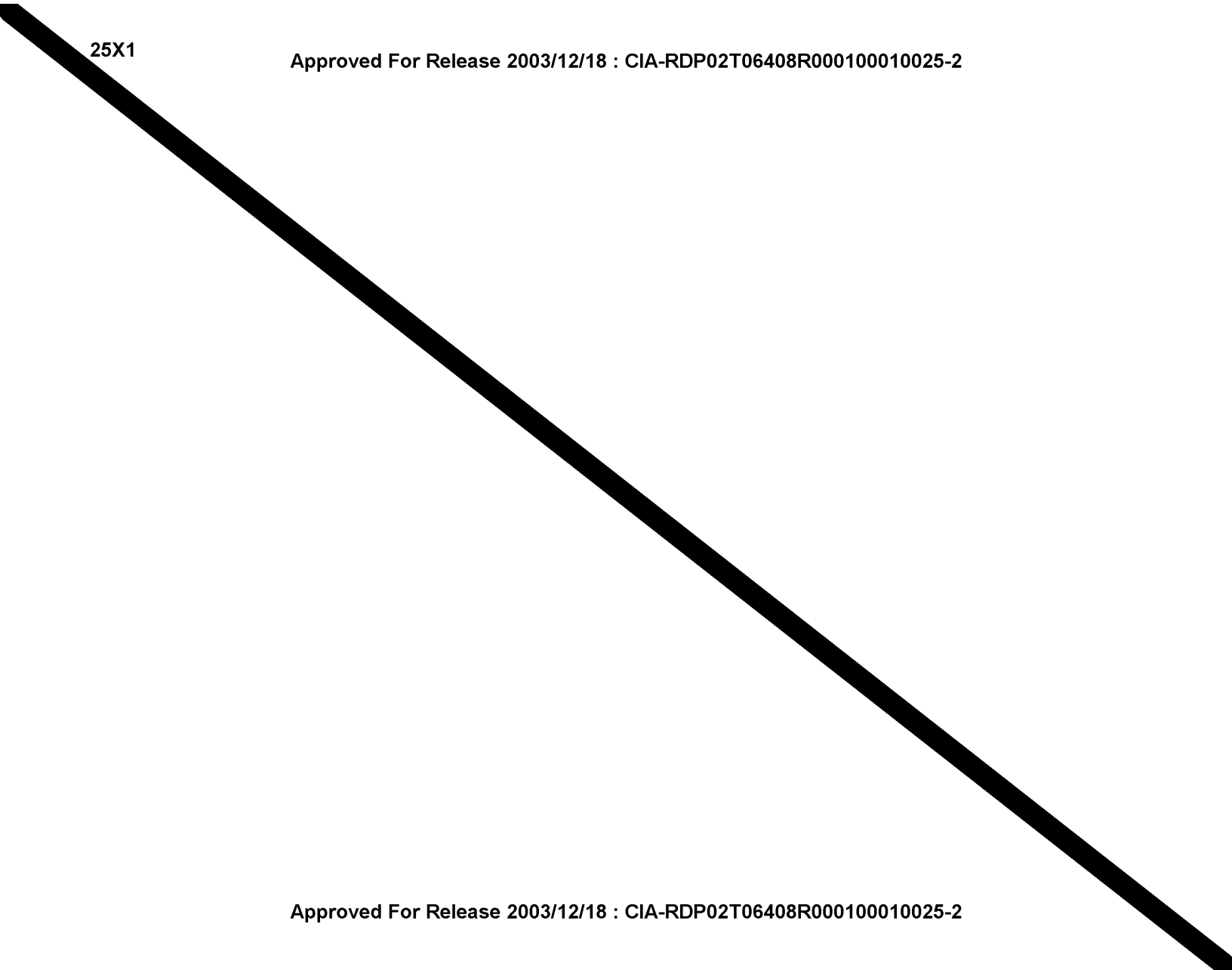

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Table 1. SAM Installations on WAC 50

Item	Name, Site Designator, & BE No	Coordinates	Country & Map Ref	Type & Configuration	Mission & Date First Appears	Mission & Date Installation Negated	Remarks
25X1	Novaya Zemlya SAM Defenses	[redacted]					
25X1 1	Belushya Guba SAM Site A36-2, [redacted]	71-41-05N 52-19-25E	UR 050-4	SA-2, Prob fan	[redacted]		
25X1 2	Belushya Guba SAM Support Facility, [redacted]	71-36-05N 52-23-30E	UR 050-4	Type II (square)			

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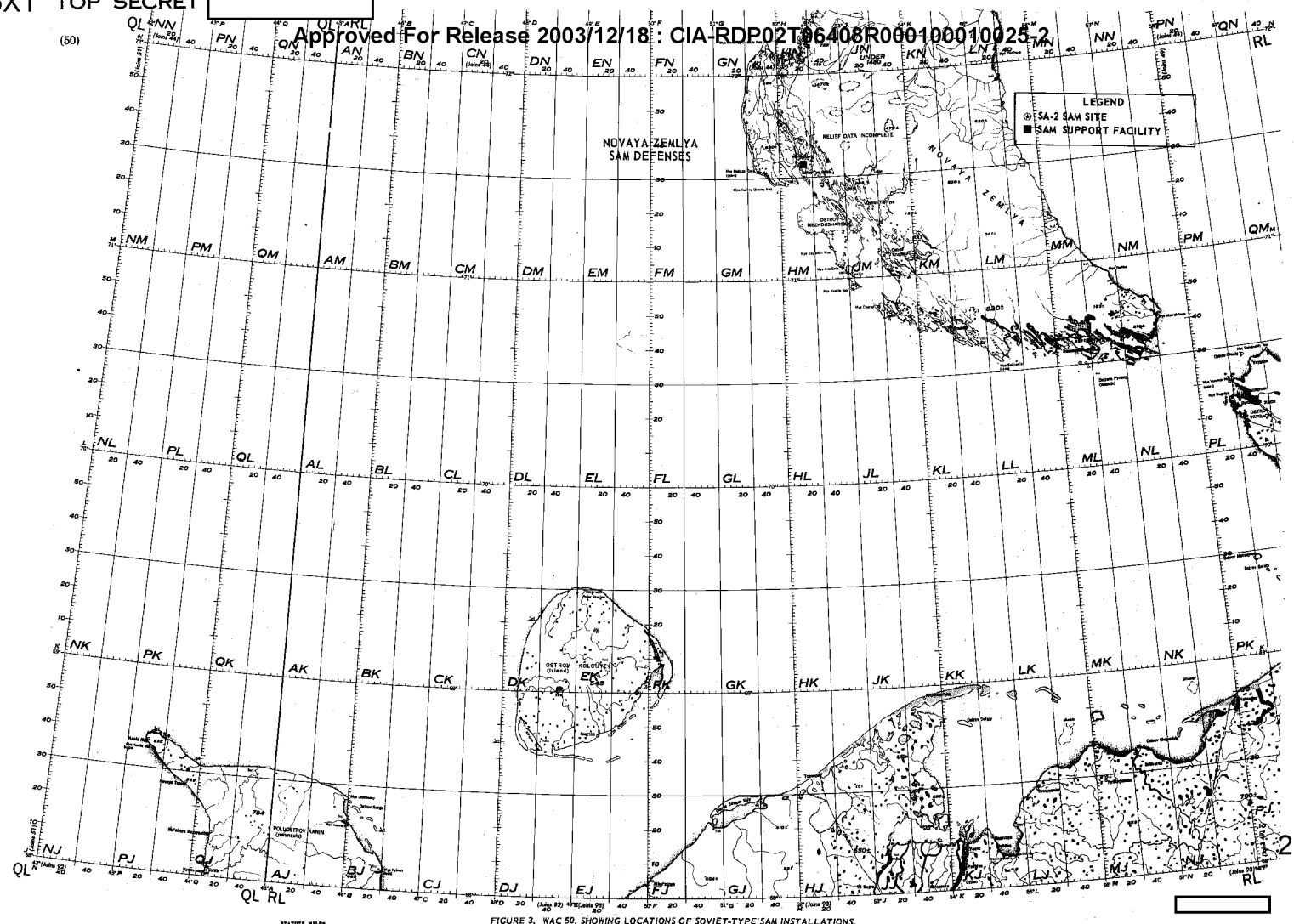

FIGURE 3. WAC 50, SHOWING LOCATIONS OF SOVIET-TYPE SAM INSTALLATIONS.

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Table 8. SAM Installations on WAC 51

Item	Name, Site Designator, & BE No	Coordinates	Country & Map Ref	Type & Configuration	Mission & Date First Appears	Mission & Date Installation Negated	Remarks
A. Motovskiy Bay SAM Defenses* (in defense of Litsa Bay Naval Base, Naval Missile Storage Area, and Naval Facilities in the Motovskiy Bay Area)							
1	Pechenga SAM Site D08-2,	69-42-20N 33-03-20E	UR 051-18	SA-2, Prob link			
2	Pechenga SAM Site B10-2,	69-31-30N 31-57-15E	UR 015-17	SA-2, Prob link			
3	Pechenga SAM Site D07-2,	69-46-00N 32-36-30E	UR 051-18	SA-2, fan			
4	Pechenga SAM Support Facility,	69-44-50N 32-06-30E	UR 051-12	Type II (square)			
5	Pechenga SAM Site B06-2,	69-44-00N 31-49-30E	UR 051-12	SA-2, link			
B. Murmansk SAM Defenses* (in defense of Murmansk complex including naval bases and airfields)							
6	Murmansk SAM Support Facility,	69-02-20N 33-14-30E	UR 051-18	Type I (rectangle)			
7	Murmansk SAM Support Facility,	68-50-00N 33-08-00E	UR 051-18	Type II (square)			
8	Murmansk SAM Site C32-2,	69-15-52N 32-19-30E	UR 051-17	SA-2, link			
9	Murmansk SAM Site B33-2,	69-06-45N 32-48-10E	UR 051-18	SA-2, Prob link			Strongly resembles Murmansk B10-0, an SA-0 SAM Site.
10	Murmansk SAM Site B23-2,	68-50-20N 32-46-00E	UR 051-18	SA-2, star			
11	Murmansk SAM Site B17-2,	68-46-30N 33-11-20E	UR 051-23	SA-2, link			
12	Murmansk SAM Site B10-0,	68-56-00N 33-41-00E	UR 051-18	SA-0, Category I			
13	Murmansk SAM Site B08-3,	69-00-50N 32-39-30E	UR 051-18	SA-3, Configuration A			This site, although carried as an SA-3, has five definite positions and a faint sixth position, all probably unrevetted, located along a circular road. It closely resembles those unrevetted SA-2 sites which were previously identified as Category 2, SA-0 SAM sites.
C. Polyarnyy/Kildin SAM Defenses* (in defense of naval facilities at mouth of Kolskiy Gulf and on Kildin Island)							
14	Murmansk SAM Site D05-2,	69-20-10N 34-16-10E	UR 051-18	SA-2, link			Has a small, secured support facility adjacent to the site.
15	Murmansk SAM Site B04-2,	69-14-15N 33-35-00E	UR 051-18	SA-2, link			
16	Murmansk SAM Site C02-2,	69-22-50N 33-28-30E	UR 051-18	SA-2, fan			
17	Murmansk SAM Site C02-3,	69-23-55N 33-30-00E	UR 051-18	Prob SA-3, Configuration undetermined			
D. Olenegorsk SAM Defenses (in defense of Taybola IRBM Complex, Olenya Airfields, [redacted]							
18	Olenegorsk SAM Site B01-3,	68-27-00N 33-23-00E	UR 051-23	SA-3, Configuration C			
19	Olenegorsk SAM Site B05-3,	68-15-20N 33-38-20E	UR 051-23	SA-3, Configuration C			
20	Olenegorsk SAM Site B02-2,	68-20-50N 33-26-30E	UR 051-23	SA-2, link			
21	Olenegorsk SAM Site B02-3,	68-22-10N 33-27-00E	UR 051-23	SA-3, Configuration C			
22	Olenegorsk SAM Site A11-2,	68-06-30N 33-35-30E	UR 051-23	SA-2, link			
23	Olenegorsk SAM Site B11-0,	68-04-30N 34-08-00E	UR 051-23	SA-0, Category I			Small unidentified facility located just east of this site.
24	Olenegorsk SAM Site	68-01-00N 35-00-00E	UR 051-23	SA-2, Configuration undetermined			Unrevetted site.
25	Olenegorsk SAM Support Facility,	68-13-00N 33-49-50E	UR 051-23	Type I (rectangular)			
29	Olenegorsk SAM Site A11-3,	68-05-30N 33-39-20E	UR 0153-23	SA-3, Configuration C			
E. Iokanga SAM Defenses (in defense of alternate submarine base)							
26	Iokanga SAM Site A33-2,	68-04-40N 39-31-26E	UR 051-25	SA-2, link			
27	Iokanga SAM Site A03-2,	68-07-05N 39-47-50E	UR 051-25	SA-2, Configuration undetermined			Unrevetted site.
28	Gremikha SAM Support Facility	68-03-00N 39-31-00E	UR 051-25	Type II (square)			

*These three SAM defense systems overlap to provide overall coverage of this highly strategic naval operating area.

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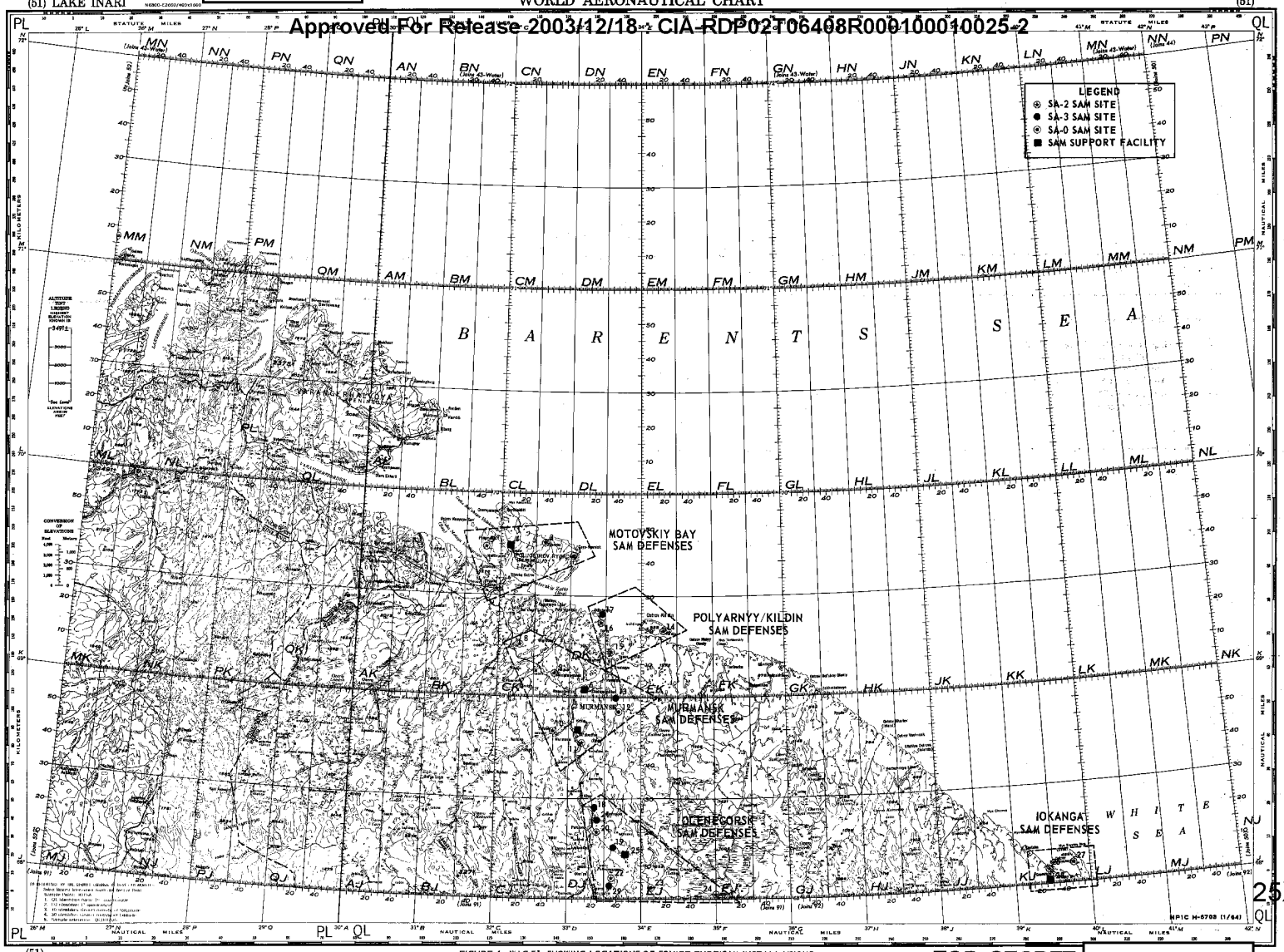

FIGURE 4. WAC 57 SHOWING LOCATIONS OF SOVIET-TYPE SAM INSTALLATIONS

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Table 3. SAM Installations on WAC 75

Item	Name, Site Designator, & BE No	Coordinates	Country & Map Ref	Type & Configuration	Mission & Date First Appears	Mission & Date Installation Negated	Remarks
25X1	Ugolnyy SAM Defenses [redacted]						
1	Ugolnyy MRBM Complex SAM Site B29-2, [redacted]	64-48-40N 177-26-00E	UR 075-16	SA-2, star	[redacted]		
25X1 2	Anadyr SAM Site	64-37-25N 178-00-30E	UR 075-22	SA-2, Prob fan			
25X1 3	Anadyr SAM Support Facility [redacted]	64-48-20N 177-45-45E	UR 075-16	Type II (square)			
25X1 4	Ugolnyy MRBM Complex SAM Site A25-2, [redacted]	64-43-00N 177-38-30E	UR 075-21	SA-2, Configuration undetermined			

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WORLD AERONAUTICAL CHART

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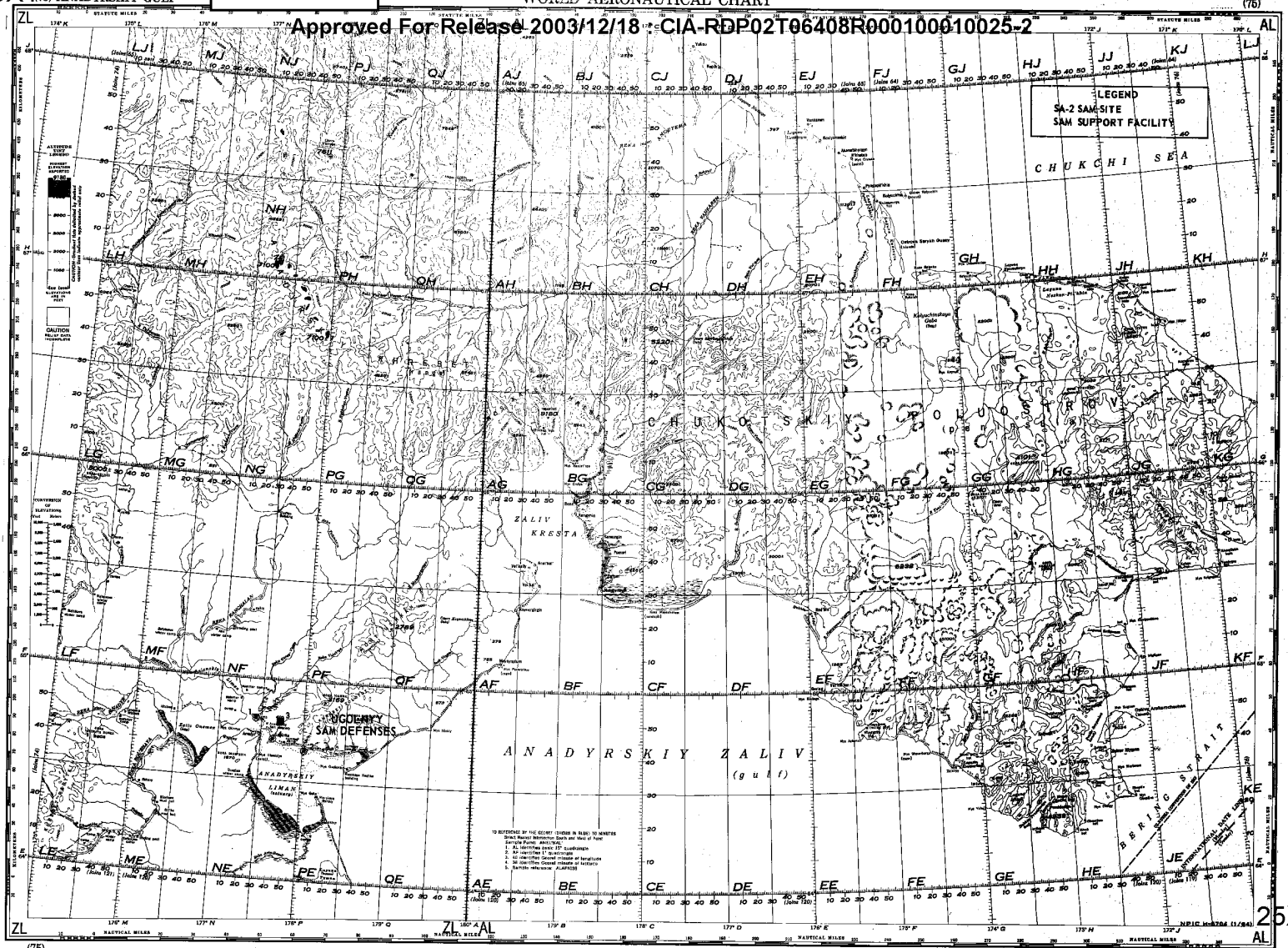

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Table 4. SAM Installations on WAC 91

Item	Name, Site Designator, & BE No	Coordinates	Country & Map Ref	Type & Configuration	Mission & Date First Appears	Mission & Date Installation Negated	Remarks
Belomorsk SAM Defenses (probably in defense of Belomorsk IRBM Complex, and town complex)							
25X1 1	Belomorsk SAM Site B25-2, [redacted]	64-26-05N 34-24-25E	UR 091-25	SA-2, link	[redacted]		
2	Belomorsk SAM Site A05-2,	64-34-00N 34-51-40E	UR-091-25	SA-2, link			

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WORLD AERONAUTICAL CHART

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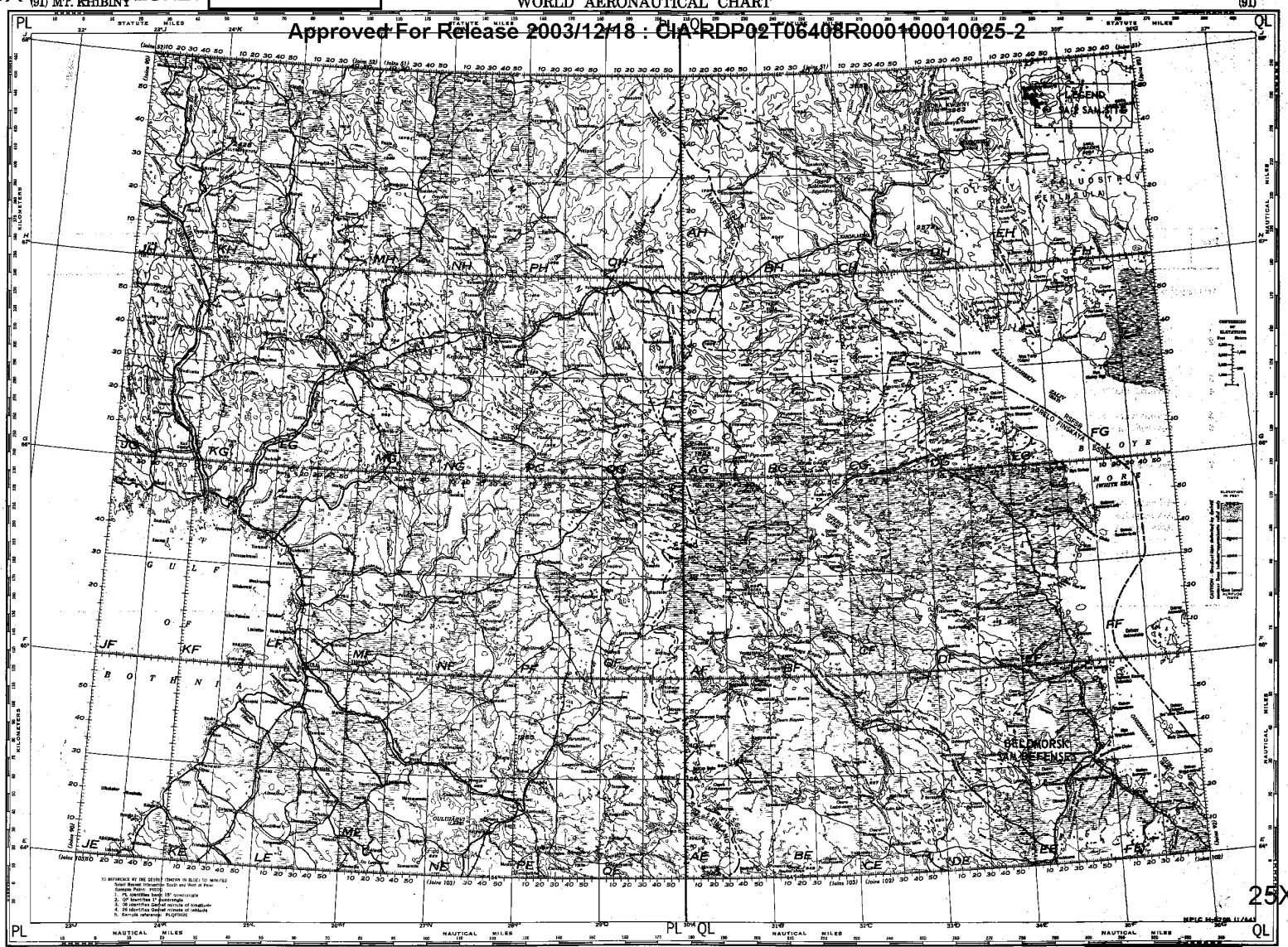

FIGURE 1. WAC 91, SHOWING LOCATIONS OF SAMPLE TYPE AERONAUTICAL CHARTS

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Table 5. SAM Installations on WAC 92

Item	Name, Site Designator, & BE No	Coordinates	Country & Map Ref	Type & Configuration	Mission & Date First Appears	Mission & Date Installation Negated	Remarks
Arkhangelsk/Severodvinsk SAM Defenses (in defense of the city complexes and port facilities; the naval facilities at Severodvinsk and Arkhangelsk; and Arkhangelsk/Kholm Airfield. Headquarters of Northern Fleet Missile Test Complex is at Severodvinsk)							
1	Severodvinsk SAM Site B28-2,	64-35-20N 39-25-00E	UR 092-22	SA-2, fan	[redacted]		
2	Severodvinsk SAM Site,	64-32-40N 39-30-20E	UR 092-22	Prob SA-3, Configuration undetermined			
3	Severodvinsk SAM Site A20-2,	64-26-00N 39-43-30E	UR 092-22	SA-2, fan			
4	Severodvinsk SAM Support Facility [redacted]	64-37-00N 39-49-30E	UR 092-22	Type I (rectangle)			
5	Severodvinsk SAM Site A36-2	64-38-40N 39-49-50E	UR 092-22	SA-2, daisy			
6	Severodvinsk SAM Site B02-2	64-45-35N 39-57-55E	UR 092-22	SA-2, daisy			Small, fenced support facility connected with this site which probably also supports Severodvinsk SAM Site B02-2
7	Severodvinsk SAM Site B02-3,	64-46-10N 39-59-00E	UR 092-22	SA-3, Configuration undetermined			
8	Arkhangelsk SAM Site B22-2,	64-24-00N 40-18-10E	UR 092-22	SA-2, fan			
9	Arkhangelsk SAM Site B22A-2	64-23-20N 40-18-40E	UR 092-22	SA-2, fan			
10	Arkhangelsk SAM Site B36-2,	64-48-00N 40-27-00E	UR 092-22	SA-2, fan			Small, fenced support facility associated with site.
11	Arkhangelsk SAM Support Facility,	64-31-25N 40-43-50E	UR 092-22	Type II (square)			
12	Arkhangelsk SAM Site B13-2,	64-24-30N 41-01-00E	UR 092-22	SA-2, fan			

25X1 (92) BELOGO MORYA STRAIT TOP SECRET

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WORLD AERONAUTICAL CHART

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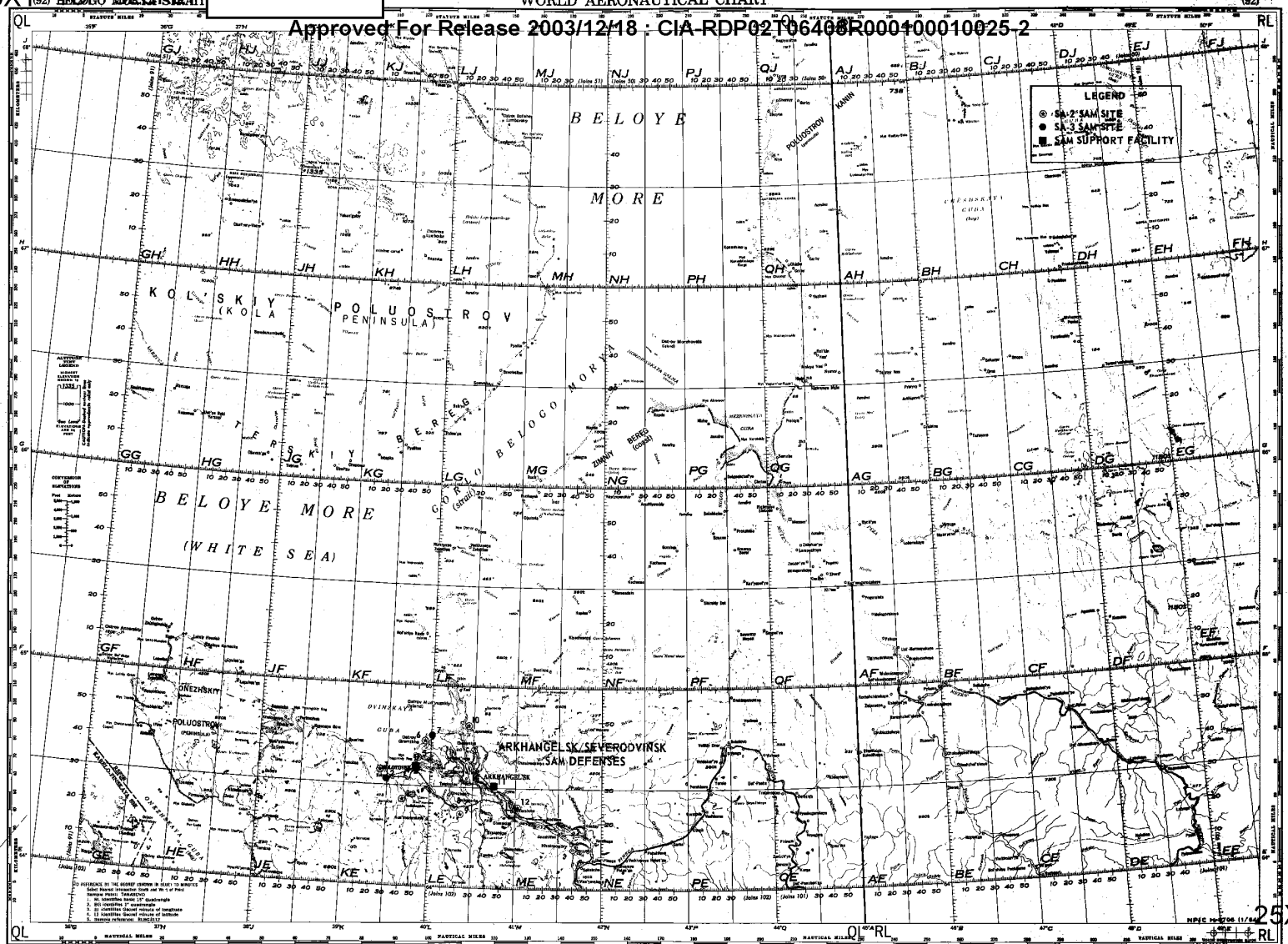

FIGURE 7. WAC 92, SHOWING LOCATIONS OF SOVIET-TYPE SAM INSTALLATIONS

(92) BELOGO MORYA STRAIT (92)

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REFERENCES

REQUIREMENT

C-RR3-80,733

PROJECT

C-1580/63 (partial answer)

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